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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/581,195	06/01/2006	Takao Murakami	060383	2327
23850	7590	09/13/2007	EXAMINER	
KRATZ, QUINTOS & HANSON, LLP			IMAS, VLADIMIR	
1420 K Street, N.W.			ART UNIT	PAPER NUMBER
Suite 400			2839	
WASHINGTON, DC 20005				
MAIL DATE		DELIVERY MODE		
09/13/2007		PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)
	10/581,195	MURAKAMI ET AL.
	Examiner Vladimir Imas	Art Unit 2839

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 01 June 2006.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-9 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1-9 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on 01 June 2006 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
 3) Information Disclosure Statement(s) (PTO/SB/08)
 Paper No(s)/Mail Date 06/01/2006.

4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____.
 5) Notice of Informal Patent Application
 6) Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

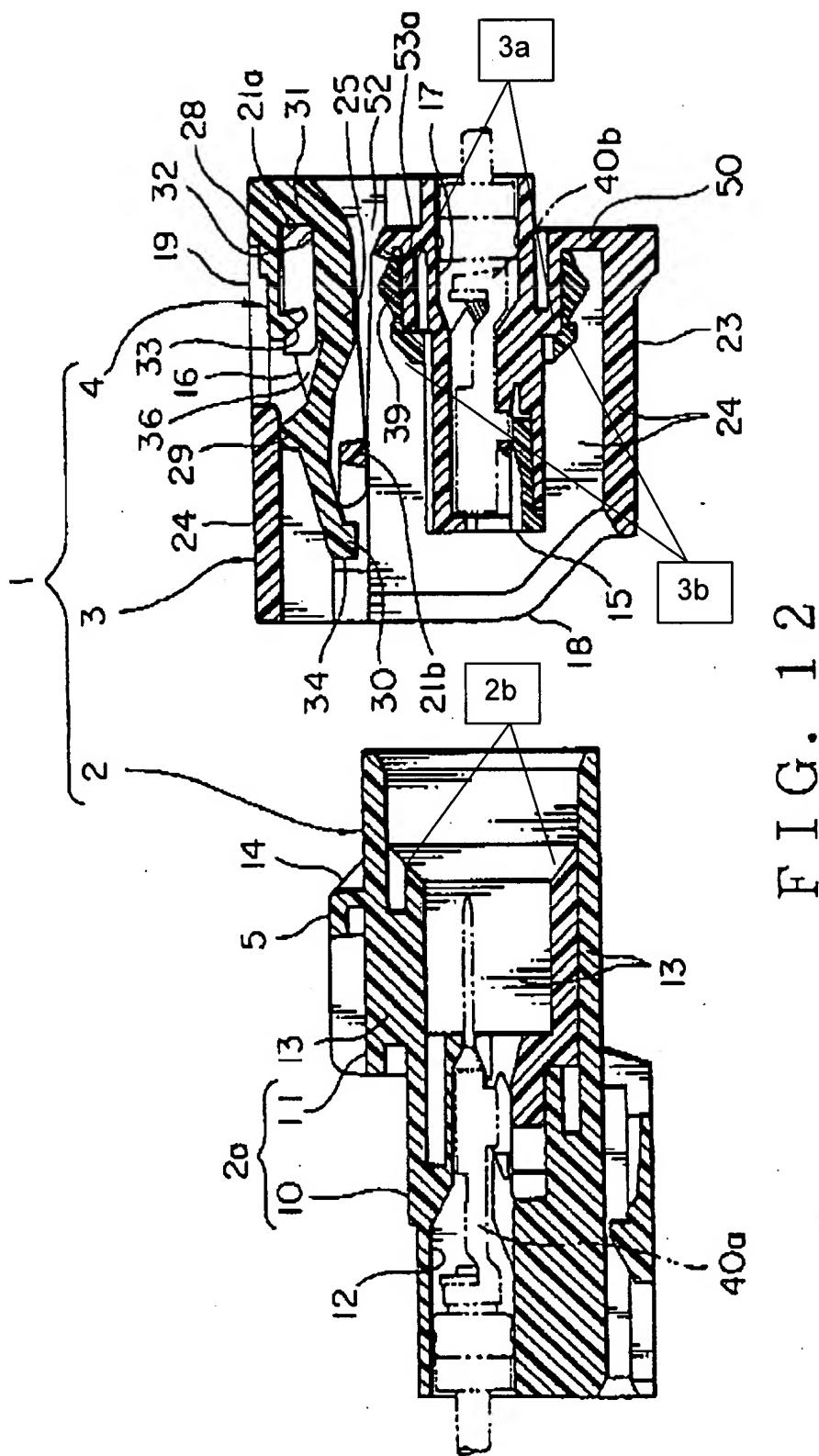
(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-9 are rejected under 35 U.S.C. 102(b) as being anticipated by Fukuda (2003/0077939).

Regarding claim 1, Fukuda, fig. 1-22, discloses an electrical connector 1 comprising: a first connector housing 2 and a second connector housing 3 mating with the first connector housing, wherein a tapered surface 2b, 3b is provided in each of the first and second connector housings, the tapered surfaces inclined in the mating direction of the first and second connector housings, the tapered surfaces engaging with each other on mating of the first and second connector housings.

Regarding claim 2, Fukuda discloses the each tapered surface is unitarily formed with each of the connector housings.

Regarding claim 3, Fukuda discloses an electrical connector 1 comprising: a first connector housing 2, and a second connector housing 3 mating with the first connector housing, wherein a tapered surface 2b, 3b is provided in one of the first and second connector housings, the tapered surface inclined in the mating direction of the



first and second connector housings, the tapered surfaces engaged with a surface of the other connector housing on mating of the first and second connector housings.

Regarding claim 4, Fukuda discloses the tapered surface is unitarily formed with the one of connector housings.

Regarding claim 5, Fukuda discloses the other connector housing 3 has an inner housing 17 formed with a tapered surface 3b, wherein the tapered surface of the inner housing is engaged in a surface-contact state with the tapered surface 2b of the one connector housing 2.

Regarding claim 6, Fukuda discloses the other connector housing has an inner housing formed with a looseness prohibiting protrusion 3a, wherein the tapered surface of the one connector housing abuts against the looseness prohibiting protrusion on mating the first and second connector housings.

Regarding claim 7, Fukuda discloses the looseness prohibiting protrusion has a tapered surface engaged with the tapered surface of the one connector housing to define a surface-contact state.

Regarding claim 8, Fukuda discloses the inner housing is movable in the connector mating direction and is urged toward the one connector housing by a resilient member 39.

Regarding claim 9, Fukuda discloses the resilient member is a waterproof packing attached in the other connector housing, the waterproof packing closely sandwiched between an outer surface of a peripheral wall of the inner housing and an

inner surface of a peripheral wall of the one connector housing on complete engagement of the first and second connector housings.

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vladimir Imas whose telephone number is 571-272-8288. The examiner can normally be reached on 8:00 a.m. to 5:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, T. Patel can be reached on 571-272-2098. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic

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Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

✓
Examiner
Vladimir Imas
9/7/2007

T C Patel
TULSIDAS C. PATEL
SUPERVISORY PATENT EXAMINER